

# INTERNET MULTICASTING SERVICE



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Sun Microsystems  
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# **Internet Multicasting Service**

- **Non-Profit (Application Pending)**
- **Strong Support from Sun (Thanks!)**
- **PBS-like Entity**
- **"Flame of the Internet"**

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# **Basic Operations**

- **2 Channels**
- **Internet Talk Radio**
- **Internet Town Hall**
- **Special Events**

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# Internet Talk Radio

- **Jim Lehr meets Bill Joy**
- **Alternative to FooWorld**
- *Technical Channel*
- **O'Reilly & Associates**
- **Sun Microsystems**

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# Facilities

- **Studio in National Press Building**
- **10 Mbps Link to Alternet**
- **Extensive Field Interviews**
- **Lucas Farm for Music/Voiceovers**

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# **Production**

- **Professional (Semi-Pro?)**
- **Produce 48 khz .wav Files**
- **DAT for Interviews**
- **Digital Effects Processors**
- **Digidesign Studio**

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# **Publication**

- **8 khz PCM Data**
- **30 Mbytes/Hour**
- **SoX to Translate**
- **ADPCM Compression**

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# **Distribution**

- **UUNET as Primary**
- **IIJ and EUnet as Secondaries**
- **Controlled Anonymous FTP**
- **Over 30 Countries**

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# Playing

- **Use Standard Audio Tools**
- **Multicast over Ethernet**
- **Multicast over Internet**
- **[Your Protocol Here]**

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# **Playing Around**

- **Spool to Voicemail**
- **ISDN-based Audio-on-Demand**
- **Copy to Radio Station**
- **Powerbook in Car**

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# **Legal/Financial Model**

- **No Copy Restrictions**
- **Meets AUP Guidelines**
- **No Derivative Works**
- **Aftermarket Tapes**

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# **Internet Town Hall**

- **Public Affairs Channel**
- **National Press Club Luncheons**
- **Congressional Hearings**
- **More Programming to Come**

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# **Special Events**

- **Monthly (Roughly)**
- **Demonstrate Use of Internet**
- **Push General Purpose Infrastructure**
- **Push Technology**

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# **Global Schoolhouse**

- **Children Around World**
- **Study Environment**
- **Conduct Original Research**
- **Brief White House Officials**

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# **Schoolhouse Technology**

- **Macintosh Based**
- **CU-SeeMe (Video Only)**
- **Reflector/MBONE Gateway**
- **Over 30 Organizations Involved**

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# **NPR Meets Internet**

- **Talk of the Nation: Science Friday**
- **Audio Gateway**
- **Email Buckets**
- **Treasure Hunt**

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# **Congressional Hearings**

- **House Telecomm and Finance**
- **July 26, National Press Club Ballroom**
- **Sun, NSF, NASA, ARPA, Xerox PARC**
- **Real Hearings, Not Demo**

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# **Remote Witnesses**

- **High-Res Video over DARTNET**
- **Gateway to MBONE**
- **Congress Cross-examine Monitors**

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# **On-Site**

- **X-Terms for Everybody (Sort of)**
- **Secure Messaging for Staff**
- **Gopher for Press/Observers**
- **Testimony in WAIS Databases**

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# **Internet Participation**

- **Gopher/Mosaic/WAIS/WWW**
- **Multicast Backbone (MBONE)**
- **C-SPAN**
- **E-Mail Buckets (Letters!)**

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# **Publicity**

- **Press Tours/Briefings/Kits**
- **Staff Tours**
- **General Tours**
- **Internet Information**

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# What's Next?

- Internet as NPR Affiliate
- Live "Geek of the Week"
- Add Live Video
- More Special Events
- Stay Tuned!

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# Resources

***MBONE:*** [isi.edu:/mbone/faq.txt](ftp://isi.edu:/mbone/faq.txt)

***Audio:*** [ftp.cwi.nl:/pub/audio/](ftp://ftp.cwi.nl:/pub/audio/)

***CU-SeeMe:*** [gated.cornell.edu:/pub/video/](ftp://gated.cornell.edu:/pub/video/)

***PARC:*** [parcftp.xerox.com:/pub/net-research/](ftp://parcftp.xerox.com:/pub/net-research/)

***LBL:*** [ftp.ee.lbl.gov:/](ftp://ftp.ee.lbl.gov:/)

***ITR Sites:*** [sites@radio.com](mailto:sites@radio.com)

***ITR Info:*** [info@radio.com](mailto:info@radio.com)

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